Automation of Machine-Building Processes (Cont.)        SOV/2156

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18(5)                                        SOV/128-59-5-1/35

AUTHOR:        Ivanov, D.P., Doctor of Technical Sciences

TITLE:         Ways of Labor-Saving in the Foundry Industry

PERIODICAL:    Liteynoye  Proizvodstvo 1959, Nr 5, p 1 (USSR)

ABSTRACT:              During the 21st Party Congress greater
               efficiency  was called for in the foundry industry,
               the output of white metal, iron and steel castings
               shall be increased to 21 million tons in 1965, which
               means 10% more than in the last 10 years in the United
               States. This can be achieved if the average capacity
               of a foundry is increased from 4000 to 9000 tons. In
               order to meet this demand, more than a thousand small
               foundries have to be closed. Instead of manual pro-
               duction 90% of all foundries have to convert to com-
               plex-mechanization and automation. With the assistance
               of science and new techniques the working time for
               one annual ton of casting shall be reduced from 77 to
               46 hours by 1965. Special attention has to be paid to
Card 1/2       the automation of molds in the foundries. In order to

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fulfill this plan, the number of the foundry workers will increase by 100 000 members. For this reason the education of the rising generation of technicians is an important task.

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18(5,7)

SOV/128-59-9-1/25

AUTHOR:     Ivanov, D.P., Doctor of Technical Sciences

TITLE:      Reconstruction of the Foundry Industry - One of the Main Objectives of the Seven-Year Plan

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 9, p 1 (USSR)

ABSTRACT:   At the June Plenum of the Central Committee of the Communist Party of the USSR, N.S. Khrushchev particularly emphasized the necessity of introducing in foundry production of automation and mechanization. He stressed the fact that up to the present time the volume of manual labor used in foundry work remains almost on the same level as it was forty years ago. He recommended, first and foremost, to introduce and develop on a large scale the modern methods that are used elsewhere, such as pressure die casting, powder metallurgy, and other methods of precise casting. The June Plenum has decided to do everything possible in order to bring, in 1960, production of castings manufactured by these new methods to 2 million tons, and in 1965 - to 5.7 million tons or 25-30% of the total volume of castings produced in the USSR.  The

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Reconstructions of the Foundry Industry - One of the Main Objecti-
ves of the Seven-Year Plan

moulding machines are to be mechanized, the fini-
shing must be done and judged with the aid of pre-
cise instruments.  In this section, mechanization
must be brought to 90% of the total production of
castings.  During the period between the 20th and
21st Congresses of the CPSU, the volume of manufac-
tured casting machines was increased 2-3 times, but
their number is still insufficient and the quality
is not always satisfactory.  The Plenum also stressed
the importance of a proper organization among the
constructors, mechanics,    fitters and locksmiths
in respect of an adequate training in operating
modern casting machinery.

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*Ivanov, D. P.*

PHASE I BOOK EXPLOITATION          SOV/4718

Sovremennoye sostoyaniye i napravleniya razvitiya tekhnologii mashinostroyeniya
i priborostroyeniya  (Present State of the Manufacturing Processes in the Ma-
chine and Instrument Industries and Trends for Development)  Moscow, Mashgiz,
1960.  563 p.  5,000 copies printed.

Ed.:  Anatoliy Nikolayevich Gavrilov, Doctor of Technical Sciences, Professor;
Managing Ed. for Literature on Machine Building and Instrument Construction
(Mashgiz):  N.V. Pokrovskiy, Engineer; Ed. of Publishing House:  G.F. Kochetova,
Engineer; Tech. Eds.:  V.D. El'kind and A.Ya. Tikhanov.

PURPOSE:  This book is intended for technical and scientific personnel in the
machine and instrument industries and for students and teachers of schools of
higher education.

COVERAGE:  The book deals with current theory and practice in the manufacturing
processes of the machine and instrument industries and includes discussions on
trends for development.  The physical nature of the processes and their tech-
nical-economic features and possibilities are considered.  Particular attention
is given to new and progressive processing (supersonic machining, electric
machining, cold pressworking, precision casting, precision pressing, new methods
of welding, etc.).  The book consists of papers presented at the All-Union

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Conference on "Advanced Machine and Instrument Manufac-
turing Processes," held in 1958.  The papers have been revised in the light
of recent developments in the field.  A chapter is devoted to the automation
and mechanization of the industry.  Soviet and non-Soviet references accom-
pany some of the chapters.

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LANDA, Aleksandr Fedorovich, prof., doktor tekhn.nauk; IVANOV, D.P., doktor
tekhn.nauk, retsenzent; BEYYER, Yu.V., inzh., red.; GORDEYEVA, L.P.,
tekhn.red.

[Principles of the production of high quality cast iron; composition,
structure, heat treatment] Osnovy polucheniia chuguna povyshennogo
kachestva; sostav, struktura, termoobrabotka. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1960.  237 p.        (MIRA 13:9)
            (Cast iron--Metallurgy)

BUGACHEV, V.M., kand.tekhn.nauk, red.; IVANOV, D.P., doktor tekhn.nauk,
    nauchnyy red.; RABINOVICH, B.V., kand.tekhn.nauk, nauchnyy red.;
    MARIYENBAKH, L.M., doktor tekhn.nauk, nauchnyy red.; KRESHCHANOVSKIY,
    N.S., kand.tekhn.nauk, nauchnyy red.; SMIRNOVA, G.V., tekhn.red.

[Foundry practice; research and experiments] Liteinoe proizvodstvo;
nauchno-issledovatel'skie i opytnye raboty.  Trudy Vsesoiuznogo
soveshchaniia.  Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1960.  250 p.                                (MIRA 13:10)

1. Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy pro-
myshlennosti.  Liteynaya sektsiya.
                        (Founding)

VASHCHENKO, K.I.; IVANOV, D.P.

"Science of metals" [in Czech] by F.Pisek. Reviewed by K.I. Vashchenko, D.P.Ivanov. Lit.proizv. no.2:48 F '60.

(Metals) (Pisek, F.)

(MIRA 13:5)

IVANOV, D.P.

Over-all mechanization and automatization of founding. Idt. proizv. no.11:1 N '60.
(Founding)        (Automatic control)                    (MIRA 13:12)

IVANOV, D.P., doktor tekhn.nauk

Twenty-Seventh World Congress of Foundrymen. Lit. proizv. no. 12:1-4 D '60.     (MIRA 13:12)
(Founding--Congresses)

GORTSAKALYAN, L.O., inzh.; IVANOV, D.P., inzh.; BELYAKOV, S.A.

Exchange of experience of the enterprises of economic councils.
Torf. prom. 37 no.5:35-37 '60.                    (MIRA 14:10)

1. Kalininskiy torfyanoy institut (for Gortsakalyan). 2. Tor-
fopredpriyatiye "Naziya" (for Ivanov). 3. Leningradskoye up-
ravleniye Glavtorffonda (for Belyakov).
                    (Peat machinery)

YUKALOV, Ivan Nikanorovich; IVANOV, D.P., red.; ULANOVSKAYA, I.A.,
    red. izd-va; KLEYNMAN, M.K., tekhn. red.

    [Steel and cast iron for enameling] Stali i chuguny dlia
    emalirovaniia. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry
    po chernoi i tsvetnoi metallurgii, 1961.  118 p.
                                                (MIRA 14:5)

    (Enamel and enameling)  (Steel)  (Cast iron)

PISHCHEV, Vasiliy Mikhaylovich; BERG, P.P., zasl. deyatel' nauki i tekhniki, doktor tekhn. nauk, prof., retsenzent; IVANOV, D.P., doktor tekhn. nauk, retsenzent; MITIN, V.I., red.; KARASEV, A.I., tekhn. red.

[Ingot molds for the centrifugal casting of pipes] Izlozhnitsy dlia tsentrobezhnogo lit'ia trub. Moskva, Gos. nauchno-tekhn. izd-vo litry po chernoi i tsvetnoi metallurgii, 1961. 222 p. (MIRA 14:10)
          (Centrifugal casting)    (Ingot molds)

BOGACHEV, I.N.; DUBININ, N.P.; YEGORENKOV, I.P.; ZHUKOV, A.A.; IVANOV,B.G.;
IVANOV, D.P.; MARIYENBAKH, L.M., doktor tekhn. nauk, prof.; MINAYEV,
I.M.; ROZENFEL'D, S.Ye.; SIDEL'NIKOV, S.V.; SOSHENKO, M.N.; YUKALOV,
I.N.; YUDIN, S.B.; RUBTSOV, N.N., doktor tekhn. nauk, prof., red.;
CHERNYAK, O.V., inzh., red. izd-va; MODEL', B.I., tekhn. red.

[Founding handbook; iron founding] Spravochnik liteishchika; chugunnoe
lit'e. Pod obshchei red. N.N.Rubtsova. Moskva, Mashgiz, 1961. 774 p.
(MIRA 14:12)
(Iron founding)

IVANOV, D.P.

Automatic "Buehrer" Plant.  Lit. proizv. no. 2:41-46 F '61.
(MIRA 14:4)
(Foundries—Equipment and supplies)   (Automation)

IVANOV, D.P.

Primary factors of structure formation and the quality of cast
iron.  Lit.proizv.  no.9:1-6  S '62.                    (MIRA 15:11)
            (Cast iron—Metallography)

SHESTOPAL, V.M., doktor tekhn. nauk; BERRI, L.Ya., doktor ekon.
nauk, retsenzent; ZUYEV, V.M., inzh., retsenzent; IVANOV,
D.P., doktor tekhn. nauk, retsenzent; KRYLOV, V.I., inzh.,
red.; BARYKOVA, G.I., red.izd-va; SMIRNOVA, G.V., tekhn.
red.

[Specialization and the design of foundry shops and plants]
Spetsializatsiia i proektirovanie liteinykh tsekhov i zavo-
dov. Moskva, Mashgiz, 1963. 223 p.               (MIRA 16:10)
                         (Foundries)

IVANOV, D.P., doktor tekhn. nauk, red.; OKROMESHKO, N.V., inzh.
red.

[Main objectives in the expansion of foundry practices and
the improvement of their specialization; transactions] Os-
novnye zadachi razvitiia liteinogo proizvodstva i uluch-
sheniia ego spetsializatsii; trudy. Moskva, Mashgiz, 1963.
250 p.                                    (MIRA 17:5)

1. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po li-
teynomu proizvodstvu. 16th.

IVANOV, D.P.

The 19th All-Union Scientific and Technical Conference on
Founding. Lit. proizv. 5:1 My '64. (MIRA 18:3)

VERTMAN, A.A.; IVANOV, D.P.; SAMARIN, A.M.; FILIPPOV, Ye.S.

Changing the density of liquid cast iron by isothermal holding.
Lit.proizv. no.10:30-32 O '64.                      (MIRA 18:4)

LAMASOV, A.A.; OSTROV, Ye.I.; IVANOV, D.P., doktor tekhn. nauk,
retsenzent; KOMAROV, L.Ye., kand. tekhn. nauk, red.

[Casting gray cast iron parts for motor vehicles; practice
of the Likhachev Automobile Plant] Proizvodstvo avtomobil'-
nykh otlivok iz serogo chuguna; iz opyta ZILa. Moskva, Izd-
vo "Mashinostroenie," 1964.  143 p.          (MIRA 17:8)

BOGDANOV G.N.; VINOGRADOV, Yu.G.; IVANOV, D.P.; KOGAN, L.B.

Increasing the resistance of cast iron chills. Lit. proizv. no.12:
24-26 D '54. (MIRA 18:3)

MAKSIMOV, V.I., dotsent; IVANOV, D.P., student.

Pouch seam in prolapse of the vagina in animals. Veterinariia
32 no.2:66-68 F '55.                                    (MLRA 8:3)

1.Vitebskiy veterinarnyy institut.
(VETERINARY SURGERY) (VAGINA--SURGERY)

USSR / Farm Animals. Swine                                    Q-4

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12125

Author  : Ivanov D. P.
Inst    :
Title   : The Importance of Complete Rations for Sows with
          Young (Znacheniye polnotsennosti ratsionov dlya
          suporosnykh matok)

Orig Pub: Svinovodstvo, 1957, No 2, 27-31

Abstract: Experiments demonstrated that an increase in the
          winter rations, for sows with young, of the protein
          content by 16%, calcium by 15%, carotene 4.7 times
          and, respectively, in the summer (protein and cal-
          cium content) - by 24 and 7%, under identical condi-
          tions of total nutritive value, as well as substi-
          tution of animal proteins for vegetative ones, pro-
          duces considerable improvement in the fertility of

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USSR / Farm Animals. Swine                                    Q-4

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12125

Abstract: sows, and in the development and growth of the
          young generation.

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USSR/Farm Animals. Swine                                    Q-3

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35691

Author   : Ivanov D. F.
Inst     : Not Given  *Biological Nauchno-Issledovatel'skiy Institut Nevoskiya*
Title    : The Influence of the Method of Watering Nursing Sows on the
           Growth and Survival of the Suckling Pigs (Vliyaniye rozhima
           poyeniya podsosnykh svinomatok na rost i sokhranyayemost'
           porosyat)

Orig Pub : Veterinariya, 1957, No 7, 76-79

Abstract : One group of nursing sows had permanent access to drinking
           water, beginning from the 6th day after farrowing and up to
           the weaning period; another group was supplied with water
           three times a day between feedings. The difference in the
           average live weight of the young pigs at 15 days and one
           month of age was 10-13% in favor of the first group. The
           average daily weight gain during the suckling period in pigs
           of the first group was found to be higher by 11-12%.

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ALIKAYEV, V.A.; IVANOV, D.P.; NIKOL'SKAYA, M.N.

Use of iron glycerophosphate for the prevention and treatment of
anemia in suckling pigs. Veterinariia  39  no.1:57-59  Ja '63.
(MIRA 16:6)

1. Moskovskaya veterinarnaya akademiya.
(Iron--Therapeutic use)  (Anemia)  (Swine--Diseases and pests)
(Phosphorus--Therapeutic use)

TREFILOV, A.A.; IVANOV, D.P., veterinarnyy vrach; KRUGLIKOV, B.P.; VOVK, A.M.,
mladshiy nauchnyy sotrudnik; VEGLINA, M.P., veterin.vrach; BULATOV, Ya.P.

Veterinary preparations and equipment. Veterinariia 41 no.3:94-104
Mr '64.                                                  (MIRA 18:1)

1. Nachal'nik otdela zooveterinarnykh tovarov Soyuznogo tresta po
snabzheniyu sel'skogo khozyaystva veterinarno-zootekhnicheskim
oborudovaniyem, instrumentariyem i medikamentami (for Trefilov).
2. Ministerstvo sel'skogo khozyaystva Belorusskoy SSR (for Ivanov).
2. Zaveduyushchiy khimicheskim otdelom Ivanovskoy oblastnoy veterinar-
noy laboratoriyey (for Bulatov). 4. Zaveduyushchiy radiologicheskim
otdelom Ivanovskoy oblastnoy veterinarnoy laboratoriyey (for Kruglikov).
5. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinarii (for Vovk).

IVANOV, D.P.

Histochemical studies on the cholinesterase in the ganglions
of the vegetative nervous system in mammals and man.  Izv
Inst morf BAN 9/10:233-251  '64.

NIKOL'SKAYA, M.N.; IVANOV, D.P.

     Toxicity of some iron preparations. Veterinariia 41 no.2:67-69
     F '65.                        (MIRA 18:3)

IVANOV, D.S., inzhener; GOLOVLEV, D.I., inzhener.

Simplified method for pegging out fills and excavations.  Avt.dor.
19 no.12:27-28 D '56.                                    (MIRA 10:10)
                        (Roads--Surveying)

TAVROVSKIY, V.A.; IVANOV, D.U.; KORNILOV, N.A.

First results of reacclimatizing sables in the southern and
eastern regions of Yakutia. Trudy Inst.biol.IAFAN SSSR no.4:
3-49 '58. (MIRA 11:11)

(Yakutia—Sables)

IVANOV, David Vasil'yevich; SHCHEGLOV, Valentin Fedorovich;
RVANIN, Rostislav Vasil'yevich; USANOV, P.A., red.;
KIMMEL', L.S., red. izd-va; SHIBKOVA, R.Ye., tekhn.red.

[Automation of sorting devices and bundle making machines for
lumber] Avtomatizirovannye sortirovochnye ustroistva i paketo-
formiruiushchie mashiny dlia pilomaterialov. Moskva, Gosles-
bumizdat, 1963.  67 p.                                    (MIRA 16:6)
          (Lumbering--Machinery)

B IVANOV, D.V.

15

Increasing the Sensitivity of the Determination of Elements in Flames, (In Russian.) D. W. Ivanov. Zavodskaya Laboratoriya (Factory Laboratory), v. 14, Sept. 1948, p. 1136-1138.

Describes attempts to increase the spectral sensitivity of an acetylene-air flame by passing through it the discharge of a high-voltage a.c. arc current. This method is said to be applicable to qualitative analysis but quantitative application requires further development.

IVANOV, E. Ⓦ .

IVANOV, E.  Radio receiver without vacuum tubes.  p. 62.  Vol. 5, no. 10, 1957
ELEKTROENERGIIA.  Sofiia, Bulgaria

SOURCE:   East European Accessions List  (EEAL)  Vol 6,  No. 4—April 1957

IVANOV, E.

Scientific Technical Conference on Production of Stockings.
Tekstilna prom 10 no.5:38-39 '61.

IVANOV, E.

News in the textile machine building at the 21st International
Sample Fair, Plovdiv.  Tekstilna prom 13 no.6:37-43  '64.

LUMBAROV, Stefan, inzh.; IVANOV, Ed'o

    Increasing the size of bobbins by unifying the shuttles of the looms
for woolen fabrics.  Tekstilna prom 11 no.4:39-40 '62.

IVANOV, E., inah., n. sutr.

Modern concepts of the form, dimensions, and rotation of the earth. Priroda Bulg 11 no.5:30-33 S-O '62.

1. Bulgarska akademiia na naukite.

IVANOV, E.; POSTNIKOVA [translator]; GANCHEV, G. [translator]

Vertical profile of the relief determined by mathematical
statistics.  Izv geod BAN no.4:105-114  '63.

IVANOV, E.; POSTNIKOVA [translator]; GANCHEV, G. [translator]

Drawing out of the area of topographic (physical) surface
after a map with isohypses.  Izv geod BAN no.4:115-122  '63.

DIMITROV, I., inzh.; IVANOV, Em., inzh.

Unification of the gearboxes of the class 0,9-ton tractors.
Rasionalizatsiia 13 no.1:30-33 '63.

IVANOV, Em.; TINTEROVA, Zdr.; BOIADZHIEV, Em.

Biochemical characteristic of atherosclerosis, and its relation
to nutrition.  Izv Inst khranene  BAN  3:113-126  '64.

MARTALOGU, N.; IVANOV, E.; PLOSTINARU, D.

The coulomb excitation of Ta$^{181}$ with protons of 5,5 and 6,5 MeV.
Studii cerc fiz 11 no.2:273-284 '60.                    (EEAI 10:1)
        (Protons)    (Particle accelerators)
        (Coulomb functions)   (Tantalum)

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A061/A101

AUTHORS: Martalogu, N., Ivanov, E., Ploştinaru, D., Vîlcov, N.

TITLE: Sn$^{115}$ energy levels excited by the (p, n) reaction on In$^{115}$

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 39, abstract 8B282
(Rev. phys. Acad. RPR, 1961, v. 6, no. 3, 427 - 430, English)

TEXT:     A NaI(Tl) crystal (4x4 cm) scintillation spectrometer was used to
analyze the gamma-ray emission from an indium target (95.8% In$^{115}$) bombarded by
5.5 - 6.5 Mev protons. Two gamma lines with 113 and 497 kev were singled out in
the gamma-ray spectrum. The formation cross section and the excitation function of
497-kev gamma radiation were measured for 4.9 - 6.3 Mev energies. In keeping with
results the conclusion is reached that 497-kev as well as 113-kev gamma rays cor-
respond to transitions between the Sn$^{115}$ nuclear energy levels excited by the
(p, n) reaction. A diagram of the first two excited levels of Sn$^{115}$ nucleus is
given.

[Abstracter's note: Complete translation]

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IVANOV, E.; MARTALOGU, N.; PLOSTINARU, D.; ALEVRA, A.; DUMITRESCU R.

Cascade transition from excitation to primary state of $Sn^{115}$ obtained in the reaction $In^{115}(p,n)$. Studii cerc fiz 13 no.4: 675-686 '62.

1. Institutul de fizica atomica, Bucuresti.

IVANOV, E.

The work of the Technical Propaganda Cabinet at the Vela Piskova State
Industrial Enterprise.

P. 63, (Lika Promishlenost) Vol. 6, no. 1, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

IVANOV, E.

Conference of front-rankers of the Narodna Republika State Industrial
Enterprise in Gabrovo.

P. 37, (Lika Promishlenost) Vol. 6, no. 2, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

IVANOV, E.

Conference of the front-rankers of the December 23rd State Industrial Enterprise
in Gabrovo. p.30.
(LEKA PROMISHLENOST, Vol. 6, no. 3, 1957 Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

IVANOV, E.

"Dimitur Blagoev State Industrial Enterprise in Kazanluk Two Times Winner in the Socialist Competition."

p. 27 (Elektroenergiia, Vol. 7, No. 3, 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

IVANOV, E.

"New machines at the 18th International Sample Fair, 1958 in Plovdiv"

Leka Promishlenost. Tekstil.  Sofiia, Bulgaria.  Vol. 7, no. 10, 1958

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

DASKALOV, A.; IVANOV, E.

Cytodiagnosis of female genital cancer. Khirurgiia, Sofia
9 no.7-8:700-705 1956.

1. Iz TSentralnata klinichna i khematologichna laboratoriia
pri ISUL.
    (GENITALIA, FEMALE, neoplasms,
       cytodiag., review (Bul))

DASKALOV, A.; IVANOV, E.

Cytodiagnosis of the menstrual cycle. Suvrem. med. Sofia 8 no.9:29-35
1957.

1. Iz Tsentralnata klinika i khematologichna laboratoriia v ISUL- Sofiia.
        (MENSTRUATION, physiol.
                vaginal cytol. during menstrual cycle)
        (VAGINAL SMEARS
                cytol. during menstrual cycle)

IVANOV, Em.; BRAILSKI, Kr.

Case of novalgin-induced immuno-agranulocytosis. Suvrem. med., Sofia
8 no.10:106-112 1957.

1. Iz katedrata po vutreshin bolesti sus stomashno-chrevni i chernodrobni
zaboliavaniia i lechebno khranene pri ISUL (Zav. katedrata: prof. T. A.
Tashev).
          (AMINOPYRINE, rel. cpds.
               analgin causing agranulocytosis (Bul))
          (AGRANULOCYTOSIS, etiol. & pathogen.
               analgin (Bul))

ZOGRAFOV, D.; IVANOV, E.

Diagnosis of multiple myeloma and report of three cases of gamma-plasmacy-
toma. Suvrem. med., Sofia 8 no.11:126-134 1957.

1. Iz Nauchnoizsledovatelskiia onkologichen institut--Sofiia (Direktor:
Prof. Ves. Mikhailov).
    (MYELOMA, PLASMA CELL, case reports,
        gamma-plasmacytoma (Bul))

IVANOV, E.A. (Irkutsk)

      Oil in Eastern Siberia.  Priroda  52  no.6:114  '63.    (MIRA 16:6)
             (Siberia, Eastern--Petroleum)

ZHUKOVSKIY, A.A., inzh.; IVANOV, B.A., inzh.; FEDOROV, V.F., inzh.

Instrument for the determination of the nonuniformity of machine performance. Izv.vys.ucheb.zav.; gor.zhur. no.7: 117-120 '60.                        (MIRA 13:7)

1. Chelyabinskiy nauchno-issledovatel'skiy institut gornogo dela. Rekomendovana kafedroy obshchey elektrotekhniki Sverdlovskogo gornogo instituta.
                    (Machinery, Kinematics of)

IVANOV, E. A.

137-1957-12-24610

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 237 (USSR)

AUTHORS: Fortunatov, A. V., Ivanov, E. A.

TITLE: On the Problem of Electro-polishing of Copper in Phosphoric Acid. Report Nr V. A Study of the Surface Quality of Electro-glossed Copper by the Method of Diffused Reflection of Light (K voprosu ob elektropolirovke medi v fosfornoy kislote. Soobshcheniye V. Izucheniye kachestva elektroglyantsovannoy poverkhnosti medi metodom diffuznogo otrazheniya sveta)

PERIODICAL: Uch. zap. Saratovsk. un-t, 1956, Vol 43, pp 47-52

ABSTRACT: The electro-glossed surface of Cu of the M-1 grade was investigated under immersion in $H_3PO_4$ of specific gravity 1.47 and 1.76, and under different conditions of treatment. It was found that best results are obtained when the bath potential is 8-10 volts and the process lasts for 5-10 minutes. Raising the potential increases the gloss, i.e., the intensity of the mirror reflection. If the traces of the finishing operations on the anode are perpendicular to the motion of the bubbles of liberated $O_2$, a "re-finishing" process takes place owing to the action of the bubbles. If the traces are lined up with the motion of the bubbles, smoother and

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137-1957-12-24610

On the Problem of Electro-polishing of Copper in Phosphoric Acid

glossier surfaces are obtained. Increasing the concentration of $H_3PO_4$ impairs the quality of the surface. The finest surface quality of Cu is obtained by following up the electro-glossing process by a process of electro-polishing the surface under optimal conditions.

V. G.

1. Copper-Electrolytic polishing-Test results    2. Electrolytic polishing

Card 2/2

IVANOV, E. A., SOFIYEV, M. I., and GULYAYEV, B. B.

"An Investigation of  the Interaction Between the Metal and the Ingot
Mould in the Casting of Steel into Ingots"          .

report presented at the 7th Conference on the Interaction of the Casting Mould
and the Casting, sponsored by the Inst. of  Mechanical Engineering, Acad. Sci.
USSR, 25-28 January 1961.

REVAZASHVILI, B.I.; IVANOV, E.A.; KULESHOV, Yu.G.

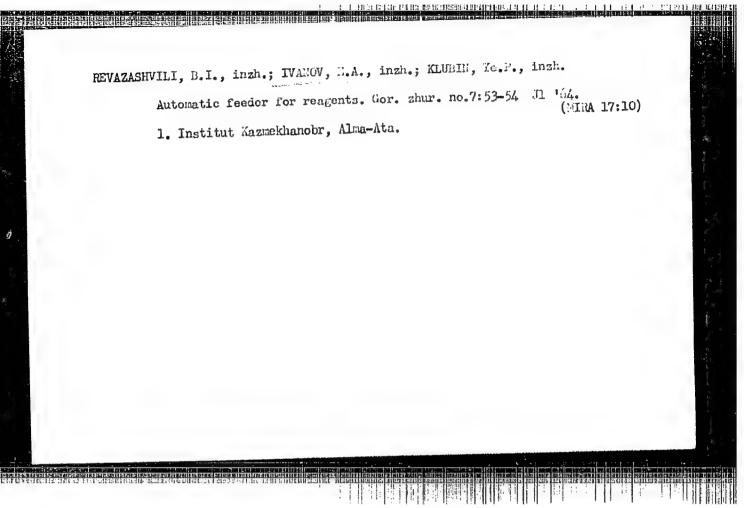Potentialities for increasing the effectiveness of the flotation
process. TSvet. met. 36 no.5:24-29 My '63.          (MIRA 16:10)

IVANOV, E.A., inzh.; REVAZASHVILI, B.I., kand.tekhn.nauk

Using statistical dynamics methods for calculating dynamic
characteristics of the flotation process.  Izv.vys.ucheb.zav.:
gor. zhur.  7  no. 1:154-161  '64.          (MIRA 17:5)

1. Institut Kazmekhanobr.  Rekomendovana laboratoriyey avtomatizatsii.

REVAZASHVILI, B.I., inzh.; IVANOV, N.A., inzh.; KLUBIN, Ye.P., inzh.

Automatic feeder for reagents. Gor. zhur. no.7:53-54 Jl '64.
(MIRA 17:10)

1. Institut Kazmekhanobr, Alma-Ata.

IVANOV, E.A.; REVAZASHVILI, B.I.

Application of multiple regression for the mathematical descrip-
tion of some technological relationships of the flotation process.
Izv. vys. ucheb. zav., tsvet. met. 7 no.5:143-149  '64.
(MIRA 18:1)

1. Kazmekhanobr.

REVAZASHVILI, B.I., kand. tekhn. nauk; IVANOV, E.A., inzh.

Finding the optimal amount of pH in pulp. Gor. zhur. no.8:75
Ag '64.                                                    (MIRA 17:10)
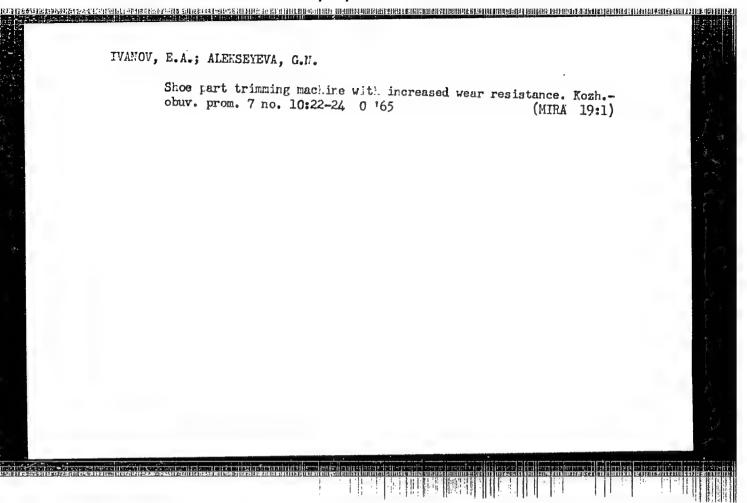
1. Institut Kazmekhanobr.

IVANOV, E.A.; VIDINEYEV, L.P.; GINZBURG, E.L.; MAZUR, V.B.

Tectonic development of the lower Paleozoic of the southern part of the Siberian Platform. Neftegaz. geol. i geofiz. no. 10:12-15 '64                              (MIRA 18:1)

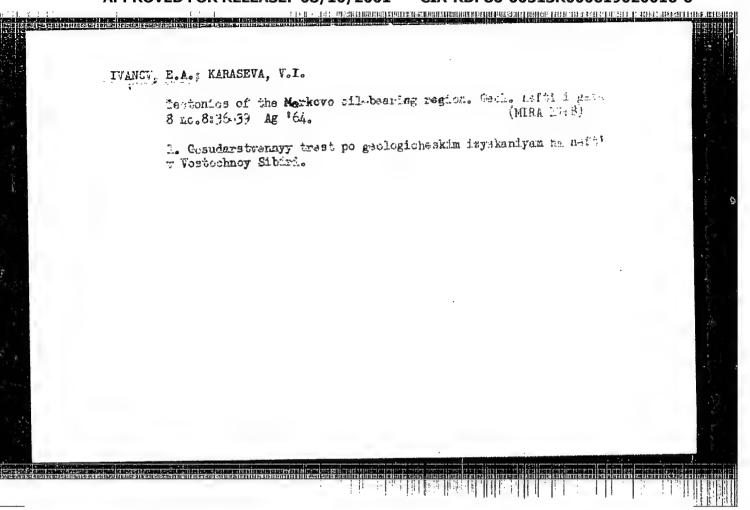1. Gosudarstvennyy trest po geologicheskim izyskaniyam na neft' v Vostochnoy Sibiri.

IVANOV, E.A.; ALEKSEYEVA, G.N., mladshiy nauchnyy sotrudnik

Sliver guides of carding machines made from wood laminate.
Tekst. prom. 24 no.10:74-75  O '64.                    (MIRA 17:12)

1. Nachal'nik otdela fiziko-khimicheskikh issledovaniy
Orlovskogo nauchno-issledovatel'skogo instituta legkogo
mashinostroyeniya (for Ivanov).  2. Otdel fiziko-khimicheskikh
issledovaniy Orlovskogo nauchno-issledovatel'skogo instituta
legkogo mashinostroyeniya (for Alekseyeva).

IVANOV, E.A.; ALEKSEYEVA, G.N.

Shoe part trimming machine with increased wear resistance. Kozh.-obuv. prom. 7 no. 10:22-24 O '65                    (MIRA 19:1)

IVANOV, E.A.; KARASEVA, V.I.

Tectonics of the Markovo oil-bearing region. Geol. nefti i gaza 8 no.8:36-39 Ag '64. (MIRA 17:8)

1. Gosudarstvennyy trest po geologicheskim izyskaniyam na neft' v Vostochnoy Sibiri.

16(1)

AUTHOR: Ivanov, E.G.            SOV/155-58-2-9/47

TITLE: On the Zones of Stability for the Forced Oscillations of Some Nonlinear Systems (O zonakh ustoychivosti dlya vynuzhdennykh kolebaniy nekotorykh nelineynykh sistem)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 2, pp 41-47 (USSR)

ABSTRACT: The author constructs the Lyapunov function for the equation

$$\ddot{x} + 2\mu\dot{x} + F(x) = R \cos \nu t,$$

where $F(x)$ is a polynomial in $x$ and, with the aid of it, in the usual manner he investigates the behavior of stability of the solutions. In a $(\nu, a)$-diagram, where $\nu$ is the frequency and $a$ is the amplitude of the solution, he determines the regions corresponding to the stable behavior (zones of stability). The question how far the real region of stability is exhausted thereby completely remains open.
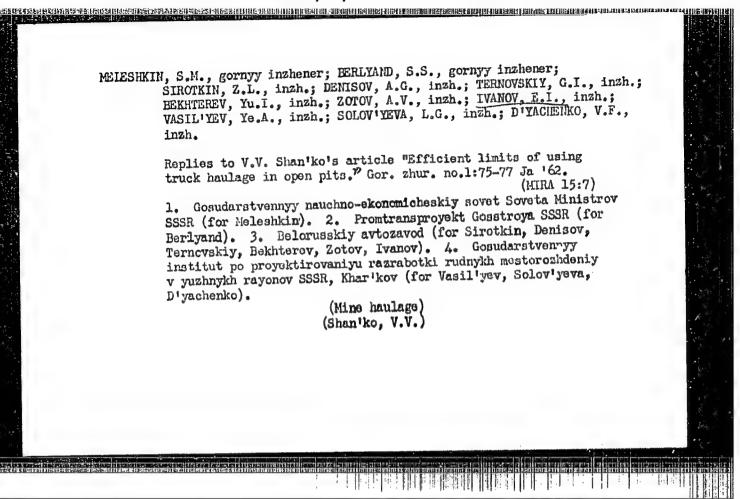
There are 3 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova (Moscow State University imeni M.V. Lomonosov)

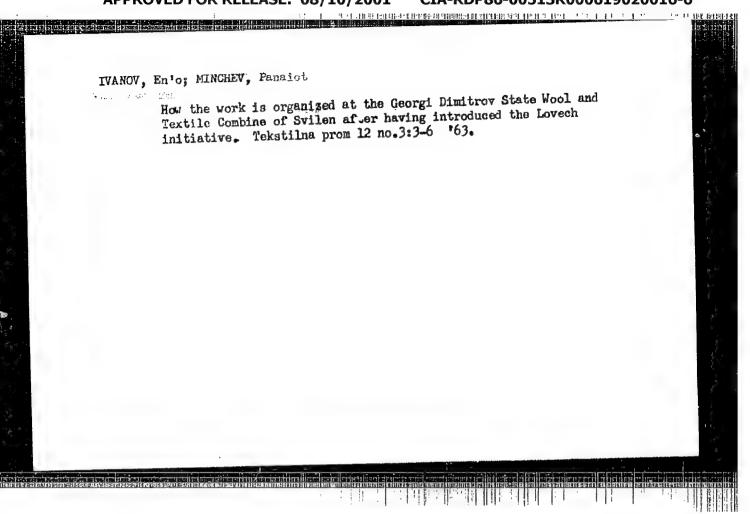SUBMITTED: December 21, 1957

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MELESHKIN, S.M., gornyy inzhener; BERLYAND, S.S., gornyy inzhener; SIROTKIN, Z.L., inzh.; DENISOV, A.G., inzh.; TERNOVSKIY, G.I., inzh.; BEKHTEREV, Yu.I., inzh.; ZOTOV, A.V., inzh.; IVANOV, E.I., inzh.; VASIL'YEV, Ye.A., inzh.; SOLOV'YEVA, L.G., inzh.; D'YACHENKO, V.F., inzh.

Replies to V.V. Shan'ko's article "Efficient limits of using truck haulage in open pits." Gor. zhur. no.1:75-77 Ja '62.

(MIRA 15:7)

1. Gosudarstvennyy nauchno-ekonomicheskiy sovet Soveta Ministrov SSSR (for Meleshkin). 2. Promtransproyekt Gosstroya SSSR (for Berlyand). 3. Belorusskiy avtozavod (for Sirotkin, Denisov, Ternovskiy, Bekhterev, Zotov, Ivanov). 4. Gosudarstvennyy institut po proyektirovaniyu razrabotki rudnykh mestorozhdeniy v yuzhnykh rayonov SSSR, Khar'kov (for Vasil'yev, Solov'yeva, D'yachenko).

(Mine haulage)
(Shan'ko, V.V.)

L 2182-66     EWT(m)/EPF(c)/EWP(j)     RM

ACCESSION NR: AR5014389                          UR/0058/65/000/004/D026/D026

SOURCE: Ref. zh. Fizika, Abs. 4D195

AUTHOR: Korobkov, V. S.; Ivanov, E. I.; Korshunov, A. V.

TITLE: Infrared absorption spectra of ethers

CITED SOURCE: Sb. Spektroskopii. M., Nauka, 1964, 122-123

TOPIC TAGS: diethyl ether, vibration spectrum, ir spectrum

TRANSLATION: Oscillation frequencies in the main bands of the infrared spectra of certain ethers in the 1600-660 cm$^{-1}$ range are presented. In the spectra of di-ethyl, ethylbenzol and dibenzol ethers the C-O valence bond oscillations are locat-ed in the 1060-1150 cm$^{-1}$ range, and in the spectra of anizole, phenetole and guya-quile the C-O bonds are located in the 1230-1270$^{-1}$ region. The C-O valence bond oscillations of the ethers are insensitive to molecular interactions.

SUB CODE: OC, OP                          ENCL: 00

Card 1/1

SHUBAROV, K.; IVANOV, Em.; KEREKOVSKI, Iv.; GOSPODINOVA, V.

Normal values of beta-lipoproteins.Suvr. med. (Sofiia) 16
no.10:607-611 '65.

1. I infektsiozna bolnitsa, Sofiia (gl. lekrr d-r A. Selektar);
Institut po khranene (direktor - prof. T. Tashev), Bolgarska
akademiia na naukite; Katedra po detski bolesti (rukovoditel -
prof. Br. Bratanov) Institut z spetsiializatsiia i usuvur-
shenstvuvane na lekarite, Sofiia.

IVANOV, En'o; MINCHEV, Panaiot

How the work is organized at the Georgi Dimitrov State Wool and
Textile Combine of Svilen af er having introduced the Lovech
initiative. Tekstilna prom 12 no.3:3-6  '63.

74.2000

S/563/61/000/217/005/012
D234/D308

AUTHOR: Ivanov, E. P.

TITLE: Propagation of a jet of an electrically conducting liquid in a concomitant stream of the same liquid in a magnetic field

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy. Tekhnicheskaya gidromekhanika, no. 217, 1961. Tekhnicheskaya gidromekhanika, 95-101

/B

TEXT: The author considers the effect of a homogeneous magnetic field on the propagation of a plane jet. The velocity vector of the concomitant stream and the intensity vector of the basic magnetic field ($H_0$) are parallel to the direction of the propagation of the jet. It is first assumed that the jet flows from an infinitely thin slot situated on the $oz$ axis and propagates along the $ox$ axis, $H_0$ being parallel to the $ox$ axis. An asymptotic

Card 1/2

Propagation of a jet...                S/563/61/000/217/005/012
                                       D234/D308

solution is looked for; a system of equations constituting a first approximation is deduced and solved. Several limiting cases are analyzed. Indications of the solution of the case of an axially symmetrical jet are given.

Card 2/2

S/563/61/000/217/007/012
D234/D308

AUTHOR:          Ivanov, E. P.

TITLE:           Theory of jets of an electrically conducting
                 liquid

SOURCE:          Leningrad. Politekhnicheskiy institut. Trudy.
                 no. 217. 1961. Tekhnicheskaya gidromekhanika,
                 109-114

TEXT:     The author transforms the equations of the magnetic
boundary layer in absence of magnetic pressure drop ($p_m$=const)
with the aid of Mises's variables. Similar solutions are found
for a free submerged jet and for a jet at a plane wall. The case
of infinite conductivity of the liquid is analyzed.

Card 1/1

37654

S/124/62/000/005/004/048
D251/D308

$\mathcal{L}6.1410$

AUTHOR:     Ivanov, E.P.

TITLE:      The diffusion of a stream of electroconducting liquid
            in an active current of the same liquid in a magnetic
            field

PERIODICAL: Referativnyy zhurnal. Mekhanika, no. 5, 1962, 2,
            abstract 5B8 (Tr. Leningr. politekhn. in-ta, 1961,
            no. 217, 95 - 101)

TEXT:    The author considers the linear approximation to the problem
of the effect of a homogeneous magnetic field of strength $H_0$ on the
diffusion of a plane axisymmetric stream of electro-conducting li-
ouid in an active current of the same liquid moving with velocity
U. The problem is solved with the following assumptions: 1) The vec-
tors U and $H_0$ are collinear; 2) Reynold's magnetic number $R_m \ll 1$;
3) The conductivity of the liquid $\sigma$ is a scalar quantity; 4) The
stream flows out from an infinitely thin slit situated on the axis
OZ and spreads in the direction OX. In this case, as is wellknown,
the stream is identical with the magnetic boundary layer of the
Card 1/2

The diffusion of a stream of ...

first kind. After introducing the stream function $\Psi$ and its magnetic analog $W (H_x = dW/dy, \; H_y = dW/dx)$ the system of equations of the magnetic boundary layer is integrated in the linear approximation since the solution is brought into the form of asymptotic series for the functions $\Psi$ and $W$ which are assumed convergent. The system of differential equations for the first approximation which the author studies, depends on two parameters $a = \mu H_0^2 / \rho U^2$ and $b = R_m / R$. An analysis of the form of the equations for different values of a and b $(b \rightarrow \infty, \; b = 0, \; a = 0, \; a \geqslant 1, \; a \rightarrow 1, \; a \rightarrow \infty$ [Abstractor's note: $\alpha \rightarrow \infty$ in the text] is given. From the most interesting results this fact is remarked: with the increase of the ratio of the density of magnetic energy in the stream $(\sim \mu H_0^2)$ to its kinetic energy $(\sim \rho U^2)$ the breadth of the stream decreases and the velocity along the axis of the stream grows greater. The equations found for $b = 0$ (i.e. for $\sigma = 0$) coincide with the wellknown results of the theory of the motion of a plane stream of liquid in the absence of a magnetic field. [Abstractor's note: Complete translation].

Card 2/2

S/058/62/000/005/035/119
A001/A101

AUTHOR:     Ivanov, E. P.

TITLE:      Propagation of electroconducting liquid jet in a by-stream of the same liquid in a magnetic field
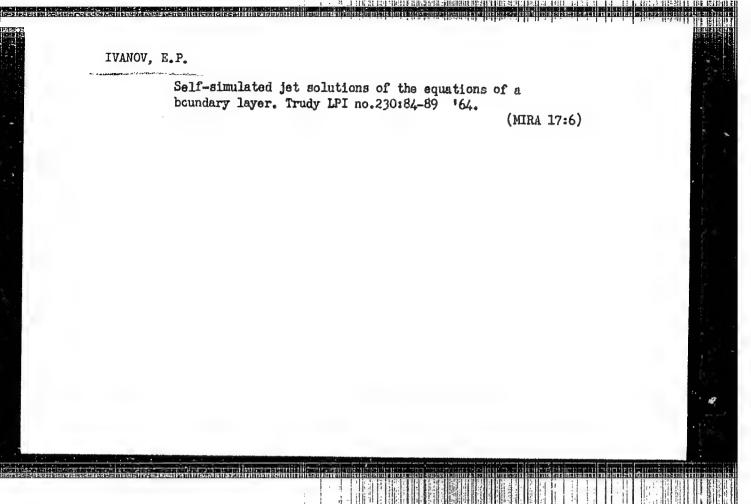
PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 50, abstract 5B395
("Tr. Leningr. politekhn. in-ta", 1961, no. 217, 95-101)

TEXT:      The author discusses the effect of a uniform magnetic field on propagation of a plane axial-symmetrical jet of an electroconducting liquid, flowing from an infinitesimal thin slit, in a by-stream of the same liquid. The velocity vector of the by-stream and the vector of the main magnetic field strength are parallel to direction of jet propagation. Several particular cases are considered:  case of infinite electric conductivity, case of absence of any magnetic field, etc. The axial-symmetric problem has been solved.

[Abstracter's note:  Complete translation]

Card 1/1

38473

S/124/62/000/006/006/023
D234/D308

26.1410

AUTHOR:     Ivanov, E. P.

TITLE:      Theory of jets of·an electrically conducting liquid

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 6, 1962, 6, ab-
            stract 6B32 (Tr. Leningr. politekhn. in-ta; 1961,
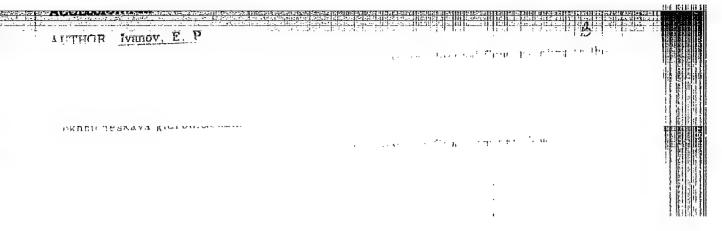            no. 217, 109-114)

TEXT:   It is known that an analogy is possible between the motion
of a liquid in a magnetic boundary layer of the first kind and the
motion of a liquid in a plane electrically conducting jet situated
in an external magnetic field. In the paper the·author transforms
the equation of a magnetic boundary layer in the absence of mag-
netic pressure drop ($p_m = p + \mu H^2/2 = $ const) with the aid of Mi-
ses' variables ($\xi$ and $\eta$) and finds two particular cases of similar
solutions: 1) Solution for a free submerged jet and 2) solution
for a jet next to a plane wall. In the first case the solution
has the form $u \approx \Theta(\zeta)/\xi^{1/3}$, $w \approx \xi^{1/3}\varphi(\zeta)$, $\zeta$ being equal to $\eta/\xi^{1/3}$.

Card 1/2

Theory of jets ...

In the second case $u \approx \theta (\zeta)/\xi^{1/2}$, $W \approx \xi^{1/4} \varphi (\zeta)$, where $\zeta = \gamma/\xi^{1/4}$ (here W is the magnetic potential, $H_x = \partial W/\partial y$, $H_y = \partial W/\partial x$). The analysis of the solution obtained in the form $u = u(x,y)$ for the case of free submerged jet of a liquid with infinite conductivity shows that: 1) if $a = \mu H^2/\rho u^2 \rightarrow 0$ one obtains the well-known solution for a free submerged jet in the absence of an external field, 2) the solution exists only if a is not larger than 1, i.e. if the magnetic energy density is less or equal to the density of the kinetic energy of the jet, 3) if $a \rightarrow 1$ the velocity of the jet $u \rightarrow 0$ and the characteristic width of the jet $Y \rightarrow \infty$. An implicit expression for $u = u(x,y)$ obtained in the paper for the case of motion of the jet at a plane wall, goes over at $a \rightarrow 0$ into the well-known Akatnov-Glauert solution (N. I. Akatnov, Prikl. matem. i mekhan., 1960, 24, no. 1, 154-156 - RZhMekh, 1961, 5B405) for a jet at a wall. In contrast with the free submerged jet, at $a \rightarrow 0$ the velocity $u \rightarrow 1$ and the characteristic width of the jet increases indefinitely as before $(Y \rightarrow \infty)$. 3 references. /Abstracter's note: Complete translation._7

Card 2/2

IVANOV, E.P.

Self-simulated jet solutions of the equations of a
boundary layer. Trudy LPI no.230:84-89 '64.

(MIRA 17:6)

AUTHOR Ivanov, E. P

EKPEI:METSRAYA RICI'UVI.

reduced to a system of

Card    1/2

ACC NR:     AP7002647    (A, N)    SOURCE CODE:  UR/0413/66/000/023/0193/0193

INVENTOR:  Ivanov, P. K.; Ivanov, E. P.

ORG:  None

TITLE:  A device for changing wheels and subassemblies on aircraft landing gear.
Class 62, No. 153665

SOURCE:  Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 193
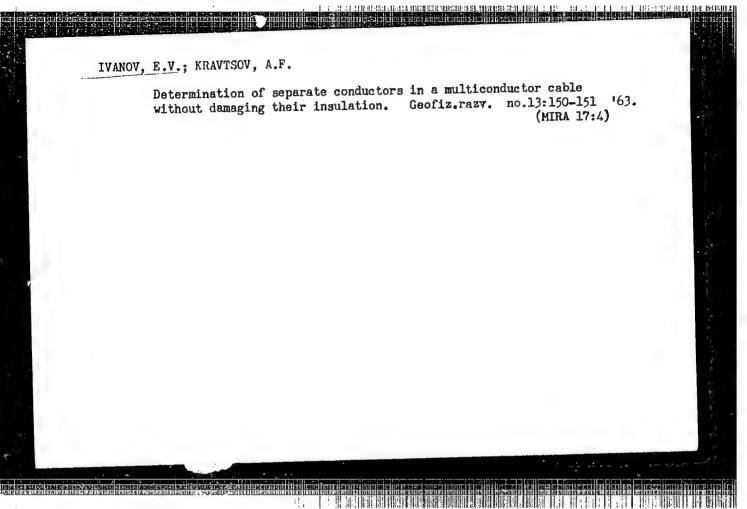
TOPIC TAGS:  aircraft landing gear, aircraft tire, aircraft maintenance equipment

ABSTRACT:  This Author's Certificate introduces:  1. A device for changing the wheels
and subassemblies on aircraft landing gear based on Author's Certificate No. 146654.
The unit is designed for changing tire casings directly on the carriage.  Two mutually
parallel hydraulic cylinders are mounted on the carriage framework perpendicular to
the platform.  The cylinder rods are reinforced by a support sleeve with an outside
diameter equal to the inside diameter of the drum casing.  Ribs are used to fasten
tie rods to this sleeve for pressing out the drum.  The length of these rods exceeds
the width of the drum and the height of the sleeve by the distance required for break-
ing loose the tire casings.  2. A modification of this device designed for breaking
loose the tire casings with removal of the check ring.  The unit is equipped with a
clamp which has a sleeve connected to a pin in the disc through holes in the checking
device.

SUB CODE:01,13/  SUBM DATE:  09Jan62

Card  1/1

IVANOV, E.V.; KRAVTSOV, A.F.

Determination of separate conductors in a multiconductor cable
without damaging their insulation.   Geofiz.razv.  no.13:150-151  '63.
(MIRA 17:4)

1. IVANOV, F.

2. USSR (600)

4. Time Study

7. "Establishing technological standards in the meat industry."  I. D. Eliseyev.
   Reviewed by F. Ivanov.  Mias. ind., 24, No. 1, 1953.

9.  Monthly List of Russian Accessions, Library of Congress, ___May___ 1953. Unclassified.

IVANOV, F.

Study of the quality of solutions and concrete with an increased addition of
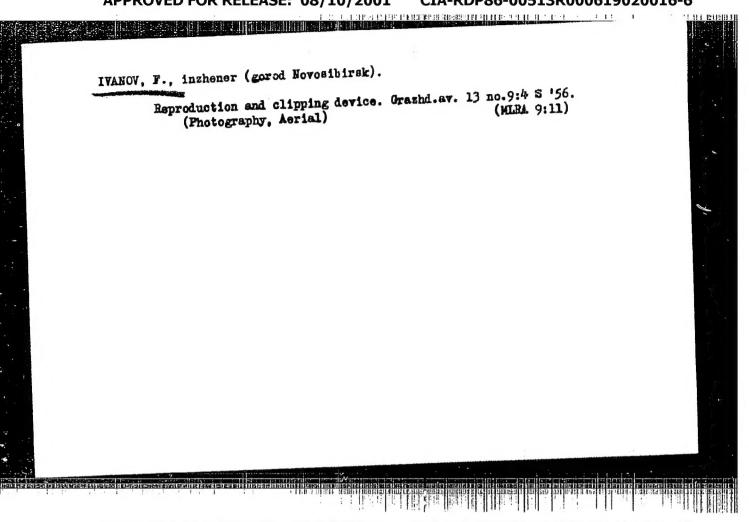    chlorine salts.  p. 23.
(STROITELSTVO. Vol. 1, No. 9/10, 1954)

SO:  Monthly List of East European Accession, (EEAL), Vol. 4, No. 9,
     Sept. 1955, Uncl.

IVANOV, Fedor Anisimovich

[Obtaining 558 centners of milk per 100 hectares of farm land; practices of the "Leninskii put'" Collective Farm, Volosovo District] 558 tsentnerov moloka na 100 gektarov sel'skokho-ziaistvennykh ugodii (iz opyta kolkhoza "Leninskii put'" Volo-sovskogo raiona). Lenizdat, 1958.  49 p.                 (MIRA 12:4)
                    (Dairying)  .

IVANOV, F., inzhener (gorod Novosibirsk).

Reproduction and clipping device. Grazhd.av. 13 no.9:4 S '56.
(MLRA 9:11)
(Photography, Aerial)

IVANOV, F., general-leytenant aviatsii

Reconnaissance training for every crew.  Av.i kosm.  45  no.7:60-
64  '62.                                          (MIRA 15:8)
            (Aeronautics, Military—Observations)

IVANOV, F.A.

Superposition group. Part 1. Uch. zap. LGU no.271:70-82  '58.

(MIRA 12:5)

(Groups, Theory of)